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Solution Concentration, by D. V. Sokol'skiy, G. F.
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Adsorption of Nitrogen, Argon and Crypton on Various Surfaces and Determination of Surface Area, by
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New Data on Lower Devonian Deposits of East
Mongolia, by V. . Bobrov, 2 pp.

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No 2, 196¹, pp 419-421.

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The Absolute Age of the Detrital Part of
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Southwest of Central Asia, by A. B. Vistelius,
A. Ya. Krylov, 4 pp.

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Mountain, by F. V. Chukhrov, 8 2 pp.

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Paleogene-Neogene Provinces of Sediment
Accumulation in Northwest Asia, by
V. V. Lavrov, 4 pp.

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Measurement of Electric Fields in the Sea, by
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On The Theory of Optimal Tracking, by
D. L. Kelendzheridze, 6 pp.

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No 3, 1961, pp 529-532. 9677433

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by D. V. Sharikadze,

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No 3, 1961, pp 561-583.

NASA TT F-8044

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15 Feb 62

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THE EMPLOYMENT OF THIN-LAYER CHROMATOGRAPHY [IN]. [1962] [7]p. 11 mm.
Order from OTS or SLA \$1.10

62-25674

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138, no. 3, p. 591-594.

DESCRIPTORS: *Steroids, Separation *Chromatographic analysis. Sulfuric acid.

Two examples of separation of epimeric steroid oxides
are cited

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I. Akhrem, A. A.
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III. Translations, New York

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Perekalin, 5 pp.

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FTD-TT-62-296

Sci - Chem, Phys

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Tatevskii, V. M., Spiridonov, V. P., and Akishin,
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A FEATURE OF THE INTERATOMIC DISTANCES IN
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IN THE PERIODIC SYSTEM OF ELEMENTS. [1962]
[7]p. 16 refs.

Order from OTS or SLA \$1.10 63-13861

Trans. of Akad[emya] Nauk SSSR, Doklady, 1961,
v. 138, no. 3, p. 621-624.

DESCRIPTORS: *Halides, *Molecular structure, Group
I elements, Group II elements, Group IV elements.

63-13861

I. Tatevskii, V. M.
II. Spiridonov, V. P.
III. Akishin, P. A.
IV. Translations, New York

(Chemistry--Physical, TT, v. 10, no. 3)

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L. M. Varyukhina, 3 pp.

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New Data on the Upper Pliocene fo the
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Sci - Biol 177, 300

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Certain Devonian Algae of Central Asia and
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New Data on the Division of Tertiary Deposits
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I. M. Khoreva, R. Ye. Giterman, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 659-662.

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Silicate Water and Its place in Horizontal
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4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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The Problem of Recrystallization in Crystal-Bearing Quartz Veins, by N. I. Myaz,
4 pp.

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On the Integral Representation of Jost,
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3 pp.

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RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 5, 1953, pp 811-814.

MGB/254

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The Boundary-Value Problem of the Propagation
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
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Motion of a Finitely Conducting Medium in the
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NASA TT P-64 8052

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Angular Distribution of Sputtered Particles on
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V. A. Molchanov, V. G. Tel'kovskiy, V. M. Chicherov,
2 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,
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Investigation of the Carbon Concentration in a
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Isomerization and Dehydrogenation of the
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COMPLEXES OF DIPHENYLETHYLENE WITH TIN
TETRAHALIDE AND ORGANOTIN CHLORIDES.
[1961] Sp.
Order from ATS \$7.50

ATS-02N57R

Trans. of Akad[emiya] Nauk SSSR, Doklady,
v. 138, no. 4, p. 839-842.

DESCRIPTORS: *Complex compounds, *Styrenes, *Tin
compounds, *Chlorides, Metalorganic compounds,
Phenyl radicals, Ethylenes.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12145

- I. Gol'dshtein, L. P.
- II. Faizi, N. Kh.
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- IV. Associated Technical Services, Inc.,
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Kozina, M. P., Lukina, M. Yu. and others.
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Order from OTS or SLA \$1.10 63-15131

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 843-845.

DESCRIPTORS: Heat of reaction, *Combustion,
*Phenyl radicals, *Propanes, Thermochemistry.

The present paper reports the results of a determination of the heat of combustion of phenylcyclopropane, 1,1-diphenylcyclopropane, and the two stereoisomeric 1,2-diphenylcyclopropanes.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15131

I. Kozina, M. P.
II. Lukina, M. Yu.
III. Translations, New York

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Rabinovich, I. B., Tel'noti, V. I. and others.
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HEXAETHYLDISTANNANE WITH BENZOYL
PEROXIDE. [1962] [7p, 14 refs.
Order from OTS or SLA \$1.10]

63-15129

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 852-855.

DESCRIPTORS: *Thermochemistry, Chemical reactions,
*Benzoyl radicals, Heat, *Peroxides, *Tin compounds,
Ethyl radicals, *Metalorganic compounds.

The present paper is a study of the thermochemistry of the reaction between hexaethylstannane and benzoyl peroxide, with dibutyl phthalate employed as the solvent.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15129

I. Rabinovich, I. B.
II. Tel'noti, V. I.
III. Translations, New York

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Dubinin, M. M.
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SYNTHETIC ZEOLITE CRYSTALS. [1961] 5p.
Order from ATS \$9.00 ATS-71N56R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 866-869.

DESCRIPTORS: *Organolites, *Crystals, Adsorption.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12121

I. Dubinin, M. M.
II. ATS-71N56R
III. Associated Technical
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Zhdanov, S. P. and Koromal'di, E. V.
SELECTIVE SORPTION ON POROUS GLASSES.
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Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138, no. 4, p. 870ff.

DESCRIPTORS: *Glass, *Porous filters, Adsorption,
Acids, *Absorbents, *Chemical engineering.

(Chemistry--Physical, TT, v. 8, no. 10)

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I. Zhdanov, S. P.
II. Koromal'di, E. V.
III. International Chemical
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Office of Technical Services

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6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXXXVIII,
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(Australian Atomic Energy Commission Research Establishment, Lucas Heights), from 15Dokl. Akad. Nauk SSSR; 138: No. 4,
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New Data on the Last Glaciation of Kola
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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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New Data on the Paleogeography of the Quaternary
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V. D. Dibner, 1 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
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The Age of the Zaunguzsk Formation of
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G. F. Shneyder, 2 pp.

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No 4, 1962, pp 895-896.

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RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
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The Central Sikhote-Alin Fault (Displacement),
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The Baku Deposits of the Border Scarp Zone
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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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New Data on the Stratigraphy of the Schists
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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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The Upper Permian-Lower Triassic Deposits
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3 pp.

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The Relation Between the Chemical Composition]
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RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
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Biological Parameters of Radiation Dose for
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXCVIII, No 4,
1961, pp 945.-

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The Effect and Aftereffect of the Radioactive
Isotope Strontium-90 on Plants, by R. A.
Shirshova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 4, 1961, pp 8-948-.

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Vol VI, No 6

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COMPARISON OF THE PHOTOSENSITIZING ACTIVITIES OF CHLOROPHYLLS a AND b IN SOLUTION.
[1962] [5]p. 12 refs.

Order from OTS or SLA \$1.10

62-18630

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961,
v. 138 [no. 4] p. 958-961.

DESCRIPTORS: *Photosensitivity, *Chlorophylls, Solutions, Photosynthesis, Photochemical reactions, Pyridines, *Organic solvents.

The experimental results of this work favors the hypothesis of the accessory photochemical role of chlorophyll b in relation to chlorophyll a in the photosensitization of photosynthesis. (Author)

(Biological Sciences--Biochemistry, TT, v. 9, no. 6)

62-18630

I. Savkina, I. G.
II. Evstigneev, V. B.

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Behaviour of Unperturbable Systems in
Inertial Space, by V. A. Bodner,
V. P. Seleznev, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXCVIII,
Ec 5, 1961, pp 1043-1046. 9671659

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The Stability of Strips under Compression,
by L. V. Ershov, D. D. Ivlev, 3 pp.

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Settling Time of a Fixed Amount of Oxygen in the
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E. K. Eymüller, TFP.

NUBSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 5,
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<p>Gel'man, A. D. and Essen, L. N. KINETICS OF SUBSTITUTIONS IN THE INNER SPHERE OF COMPLEX MOLECULES. [1961] 5p. Order from ATS \$7.00 ATS-72N54R</p> <p>Trans. of Akademiya Nauk SSSR, Doklady, 1961, v. 138, no. 5, p. 1095-1095.</p> <p>DESCRIPTORS: *Complex compounds, *Molecular structure, *Substitution reactions, Reaction kinetics.</p> <p>(Chemistry--Physical, TT, v. 6, no. 11)</p>	<p>61-25465</p> <p>I. Gel'man, A. D. II. Essen, L. N. III. ATS-72N54R IV. Associated Technical Services, Inc., East Orange, N. J. ATS/RV-3024</p> <p>CB</p> <p>100%</p> <p>Office of Technical Services</p>
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Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961,
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DESCRIPTORS: *Benzoyl radicals, *Peroxides, Metal-
organic compounds, *Titanium compounds, *Cyclo-
pentadiene, Pentadienes, Chemical reactions, Benzoates,
Benzenes, Propanols, Alcohols.

No breakdown of the titanocene group took place in the
reaction of benzoyl peroxide with Cp₂Ti in the cold in
benzene or isopropanol solution. There was an instant-
aneous change in the color of the solution from dark
green to bright yellow; no CO₂ was evolved in the
(Chemistry--Organic, TT, v. 8, no. 6) (over)

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UEBER EINEN NEUEN PARAMETER DER GENETISCHEN
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Trans. in German of Akademiya Nauk SSSR, Doklady,
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